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FIGURES

FIG. 1a

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-2433                                                   CCTCATGGAGTATTCTCATAACTCTCTTCAGTA
-2400  TGAATGAATCATACAATACAACGCAGCGACGAATAGACTTCGCCCTGAACTAGACATACGACAACATAGCCACCATACGG
-2320  GAAAGCCACTTCAAGCTCTTTATCCCGTAGCCTGCAACAACATAACGACATAACGACCACTGGGCAAGGCCATTTACAGC
-2240  CACCCGTCGGTCAATCAAGGTCCTCCTCACTCACTTTAGAAACTAAGGGTTTGAAAACATGATCTTTCCTTCAGTTTTTC
-2160  TTACAACAAATCATTCACTTTGGACACATTTCACAATTGAGTCCAATACTTAAACCGGCTACTTCATTAGCCCCTGAAGG
-2080  ATTTTAAAAAAAACTTTCACTGCCCGGCAGCCTCTTCAAACATCTTTTCCTCATTATCAAGTGAGGCATTTTCCTCAAAAG
-2000  TAAGGTTTTGCAACCTTTATATCAAAATAGCATACGGTTTTTCAACGTAAGTTTCATAACATTTACTTGCCATCTCACCA
-1920  CTTCGTCTTAAACAATCTACCATATTCTTAGATATTCTTCATACTCAAGTCTCACACTTGAAATCAATCAAGACTCTTAC
-1840  ACTAACAATTCCTCAATATACCTCATAATATCATCTCTACTTAAACTAGAGAGATTTCCAACTCTCAATTAATCACCAAA
-1760  GGTAACTCTCCAAATATCCAAATGGAAGGTTTCAACTTCCAAACTAATACCAAACCAACCGGACTAATCATAATCATATT
-1680  CATAATCATAAATTGTTTCTAACTGCCCCTGTCCACAAATTACAGTTTTGCCCAGTCCGAAAGATTGAGCCGGTAACAAT
-1600  AGTTCCCGAACTCTTTTTCACTTGAAATTTTTATGGTAGAACCCTAACTTATAGTACTTGATATCCATAAAAAGTTTTGG
-1520  TCACCTAGGTTCACGAATTAACACCCCAAATTACATCTTTGCCCTTGGCAGTGCCGCTGTCCCGGAATTCTGTCTCTCTGGA
-1440  CCAGTTTTGGCAAACAATTTTTGAAACCACACTTATACTACTCCAAAAATTATGAAATTTTTATGGTAGCTTCTACACTTA
-1360  TAGAACTACATGTATAAAAAAATATTGGGTCAAAATACCTTACCGATTTTTCCCAAATATTCACCGGAACTTACTGCCAGAA
-1280  TCTACCCTGCTTTTTCGTTTCACTATTTTCACAACTATAAGCATATATGGGCATAAATATGACATGAACATGCCATGAACC
-1200  AATGCAGGGTGAAAGTAAGATTGAATATACTGATACTACAATTAACTAATGATAAAGTATAACTTTTCTAAAAAATTTGA
-1120  TTTTTTTTTTTTGATGAATTCATATACTCCAAAGATTTTCCTCATTTAATTAAATTTCTATCCTCATGTTGAACCCATTAA
-1040  TCGAATAATTGACATATTAGATAAACTTAGCCATCATATGACATTTGATCATGATTGATGATTTTTAAAAAATAAAAACA
 -960  AAATTATGAAAGGGTAATGAAATATTTTAAAAAAAATTATGTAAACCCTGTAATCTAGTAATCTGTACAATAATAATTTTG
 -880  TTTCAACTAAGAGGATGTTGGCAAAAGTATAATTAAACTTGTGATCTTCGTACAATAATTATGCTTCACGCACTCAACTA
 -800  GTCACATCTTTCCAGGCAAAATTTACTTTTCTATGAATATGAGAAGTTCCATCTATGGAAATAACGGATTATTTATCTAA
 -720  TTTTCAAATTCTATATATATAGTCTCGAGTGGAACAAAAATAGAACTAATTTGAACAAATCAAAGTCTAAGAAAATAATA
 -640  CATGCTTTAGCAGCAAAAATAAGAATGGTACTATACTTAATCCTCATCATAGTCTTCAAGCCCTGCATATAGCACACTTAA
 -560  CATTTTTATATTCAAATATACTTTAATTTAGTCATGATAATACAACTCACCTACTCCATTATAGCCGATAATACAACTCAC
 -480  CTAGCTACTCCATTATAGTCCAACAATATCAAATGAATAAAATAGTAATGGTGACTTAAGGCCTGAATCCAACATATAT
 -400  TCTGACATTTAAAAAATGCTACCGTACGGTTAGATTAGTATAATGAAATAAAGTTAATCATTCTCTATATTTGATGATGGT
 -320  AATTAGTATCATGGTAAGGTGTTTTATCGTGGCAGCCATGAGTGCATGACAAACGCCATATATTATTATTAAAACAAAATAG
 -240  TACTCCCAACATAATAAAATTATCTTATATTATATTGCCAACAATTAAAAATTCAAATTAGAACAAATTAAATCTCAGTTT
 -160  GCTTTATTATATTATTATCAACAATAATAATTTAATACTGATCGAACAACTTTCCCTTTCAAGTTCTCTATTTAAGGAAG
  -80  CCTGAGAAGCCATTAATCCTCATCATCAGCTCGACCACTCATTTCTTCTTCATACTTCCTTTGCTGTGATAATCATCATC
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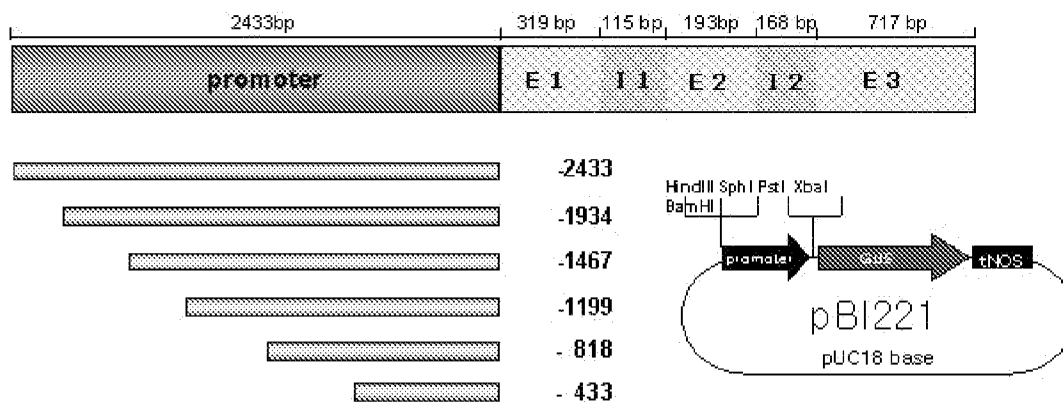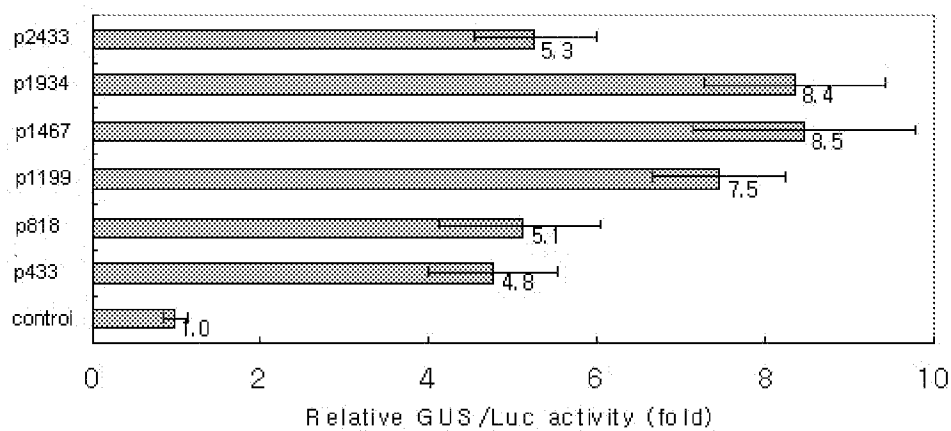
1

FIG. 1b

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ATGGCTTCCTTTGTCACTCGGCTCAGCCTGGCCCTTAGCTTCATCGCCCTAGCCCTAGCTGGCTTCTCCATTTACCAGAA    80
 M  A  S  F  V  T  R  L  S  L  A  L  S  F  I  A  L  A  L  A  G  F  S  I  Y  Q  N

TACCCATACAGCCATGAAAGGGCAGCTTAAGCTCACCCCAAAGTGGCTGCTAGACAACACTCTAGAGTCGTCAGTGGCCG    160
 T  H  T  A  M  K  G  Q  L  K  L  T  P  K  W  L  L  D  N  T  L  E  S  S  V  A

ACGTGCTCTCACTACGGCTAGGCATCTCCTCCGGCAAGCTTTCCGACGAAGACTGCATATTCTCCGCCGTTAAGGAAGTG    240
 D  V  L  S  L  R  L  G  I  S  S  G  K  L  S  D  E  D  C  I  F  S  A  V  K  E  V

GTGGACGCCGCCATTGATGCAGAAACCCGCATGGGTGCTTCCCTCATTCGCCTCTTCTTCCATGACTGCTTTGTTGATGT    320
 V  D  A  A  I  D  A  E  T  R  M  G  A  S  L  I  R  L  F  F  H  D  C  F  V  D

ACGGTACGGCTAATTTTGTACGATGATGTTTTTTTTTTTTTTTTTTTTTTTTTTTCCCACTGCATTATATTAGGAAATTAAACAGA    400

TTGAAATGTGTGTTATTAATGTATTATCTGCAGGGTTGTGACGCAGGTCTTCTACTAAACGATACACCTACTTTCACCGG    480
                           G  C  D  A  G  L  L  L  N  D  T  P  T  F  T  G

AGAACAGACCGCCGGCGGCAATAATAACTCAGTCAGAGGTTTTGAGGTGATACAACAAGCTAAAGAGAATGTGATAACCA    560
 E  Q  T  A  G  G  N  N  N  S  V  T  G  F  E  V  I  Q  Q  A  K  E  N  V  I  T  K

AATGTCCCTACATACAAGTATCTTGTGCCGACATCTTATCCATTGCTGCCCGTGATTCTTTCCAGAGAGTAAGTCCATTT    640
 C  P  Y  I  Q  V  S  G  A  D  I  L  S  I  A  A  R  D  S  F  Q  R

ATTTCTAAAGGTTGAAATTAATAAGAACAAGAATCCAAACAAATAACAGACAGTAAAAAAAAAGATTTATGTGGTTTGA    720

CAATATGTTGAAATTGTTTTTATATTTAATGACTAGTATTTATGCATTATATTTATATGCAACTCTAAACATGCAGTTTA    800
                                                                            F

CTGGAGAAACGTACACCGTGACTCTGGGAAGACTCGATGCAAGAACGGCGAACCTTACCGGAGCTAACACCCAACTCGTC    880
 T  G  E  T  Y  T  V  T  L  G  R  L  D  Q  A  R  T  A  N  L  T  G  A  N  T  Q  L  V

GGACCAAACGAGGAATTGGCCATCGCAAGTCGAGAAATTTGCGGCCGAAAGGGGTTCTCCGAAACGGAGCTAGTCGCCTTGTT    960
 G  P  N  E  E  L  A  S  Q  V  E  K  F  A  A  K  G  F  S  E  T  E  L  V  A  L  L

AGGTGTTCACACGGTTGGGTTTTCGAGATGTCCGCTTTTATGCGTTCCCATTTTCATCAATCCCGCCGGCCTCCACGC    1040
 G  V  H  T  V  G  F  S  R  C  P  L  L  C  V  P  I  F  I  N  P  A  R  A  S  T

TGCAATGCAACTGTCCGGTGAGTCCCGACGACACCGGGCTGGTGGGCCTGGACCCGACTCCGTTGACGTGGGACCAAAGT    1120
 L  Q  C  N  C  P  V  S  P  D  D  T  G  L  V  G  L  D  P  T  P  L  T  W  D  Q  S

TTTTACTCCGACGTGGCTAACGGACAAGGGCTTCTGTTCTCCGACAACGAGCTGATGAATAGCAACACCACCAGCGCCGC    1200
 F  Y  S  D  V  A  N  G  Q  G  L  L  F  S  D  N  E  L  M  N  S  N  T  T  S  A  A

CGTTAGGAGGTACAGGGACGAGATGGACGCTTTTCTCGCCGATTTCGCCGCCGCCATGGTGAAGATGAGCCTCCTGCCGC    1280
 V  R  R  Y  R  D  E  M  D  A  F  L  A  D  F  A  A  A  M  V  K  M  S  L  L  P

CGTCCCCCGGAGTGGAGCTCGAAATCCGAGAGGTTTGCAGCGAGGTGAATGCCAACACAGTTGCATCCATGTGAAGTTCG    1360
 P  S  P  G  V  E  L  E  I  R  E  V  C  S  E  V  N  A  N  T  V  A  S  M  .

TTCCCATCGACATCAATAACGTCTGTGATTCTGTGAAAGTTTTTACTCGGACTGTGAAGAATTTTCACTTTCTGTTGTTTC    1440

TGAAATAAAAAAGATTTTTTTTTTTTATGTCCTAACAAAACTTGTATTACTGAATAAAAATTTATAAATTTGTTA    1512
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FIG. 2

FIG. 3a

FIG. 3b